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Title: Human Anatomy and Physiology
Status: Definitive
Code: **3005SPS** (127747)
Version Start Date: 01-08-2021

Owning School/Faculty: Sport and Exercise Sciences
Teaching School/Faculty: Sport and Exercise Sciences

Team	Leader
Ben Edwards	Y

Academic Level: FHEQ3 **Credit Value:** 20 **Total Delivered Hours:** 41
Total Learning Hours: 200 **Private Study:** 159

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	22
Online	11
Practical	2
Seminar	5

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	Report	Practical Report	60	
Exam	Exam	Exam with multiple choice questions	40	1

Aims

To develop knowledge and understanding of the basic structure and function of key physiological systems and metabolic processes.

Learning Outcomes

After completing the module the student should be able to:

- 1 Describe the function and anatomy (structure) of the cardiorespiratory, renal, endocrine, and neural physiological function and control.
- 2 Explain the concept of homeostasis and the role physiological systems play in its maintenance.
- 3 Describe and explain how to conduct, interpret and present in written and/or oral format, basic physiological laboratory experiments.

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Practical report	3	
MCQ exam	1	2

Outline Syllabus

Indicative topics:

Introduce physiology the concept of homeostasis.

History of anatomy and anatomical Nomenclature

How the body 'communicates':

1) Basic structure and function of the central and peripheral nervous system.

2) Basic structure and function of the endocrine system.

Tissues of the Body; Integument

Skeleton; Joints; Skeletal Muscle; Axial Muscles; Muscles of the limb.

Homeostatic regulation of body temperature

Basic structure and function of the Cardio-Respiratory system

Basic structure and function of the Lymphatic system.

Basic structure and function of the Digestive system.

Basic structure and function of the Renal and Reproductive systems

Learning Activities

Lectures

Additional online tasks / lectures

Directed learning/study

Tutorial support

Additional reading

Practical based activities

Coursework and examination

Notes

The aim of this module is to introduce the concepts of human physiology and their inter-relationships. In doing so it addresses the need for a basic understanding of the anatomy of physiological systems and the physiological responses that occur. Various concepts and theories will be advanced and examined. This process will be extended by the introduction of dedicated laboratory practicals where appropriate to facilitate understanding of how physiological systems adapt to enable the maintenance of homeostasis.